

P.O.
#6-

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.

003730" 4424960

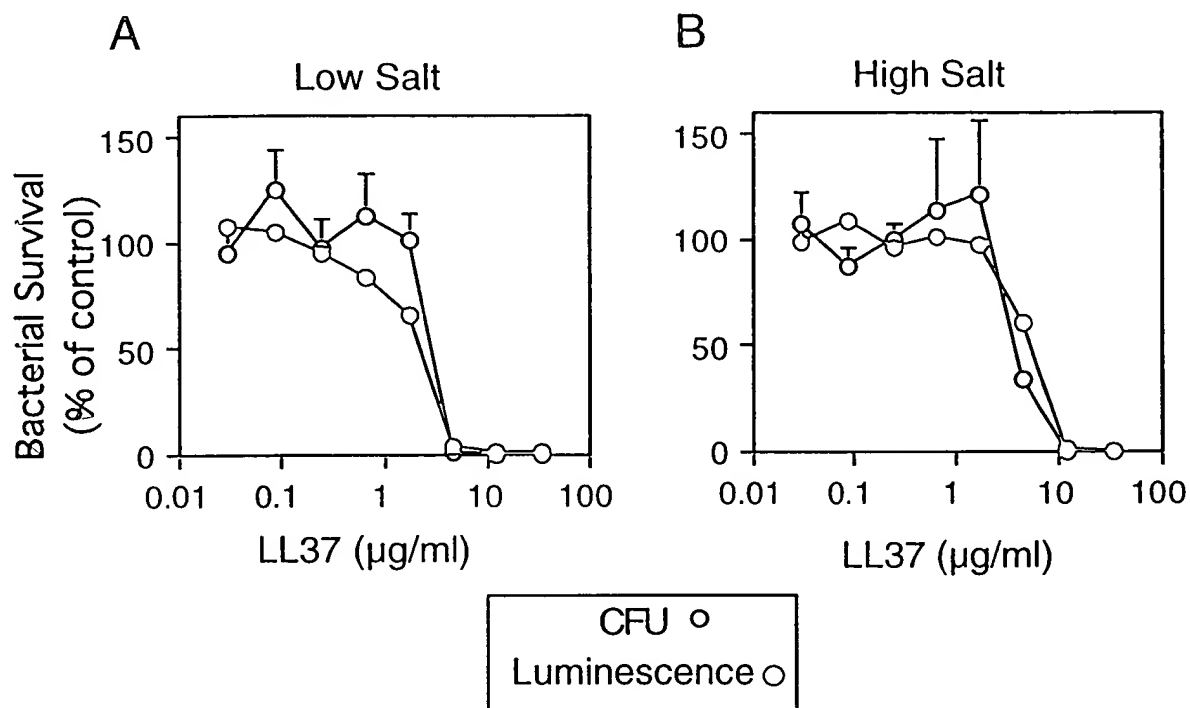
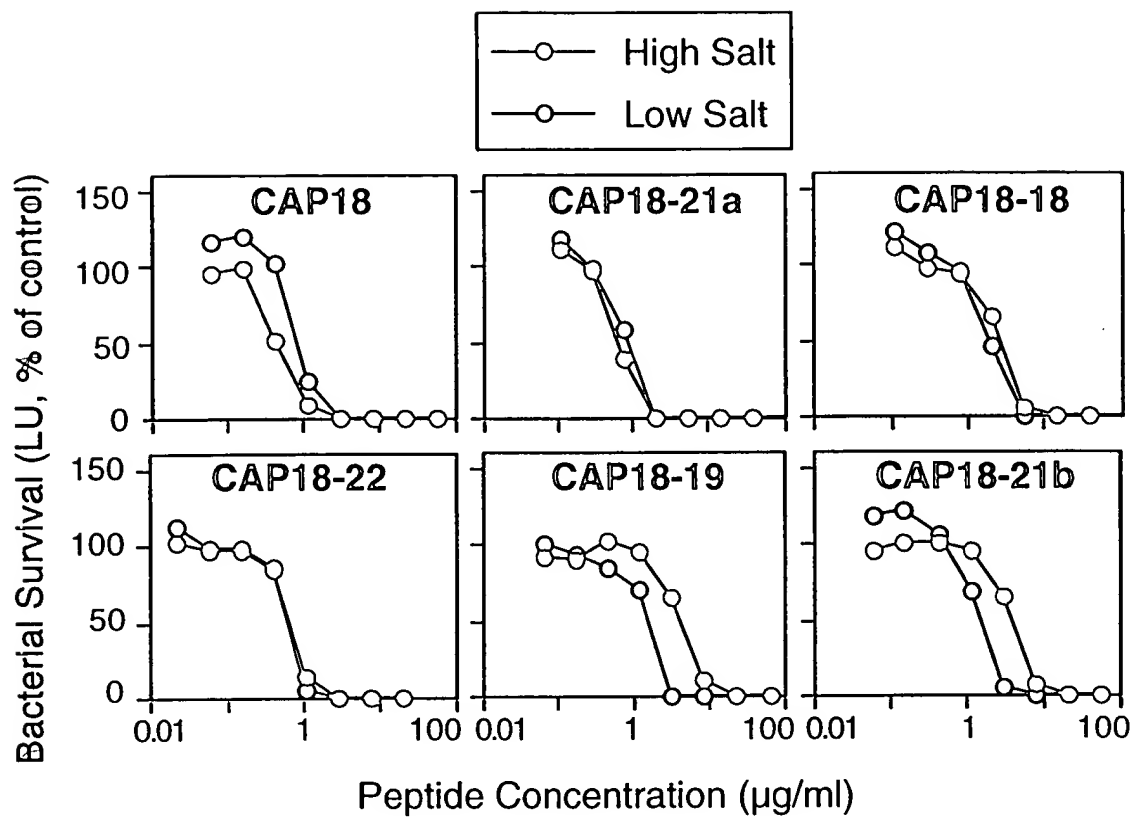
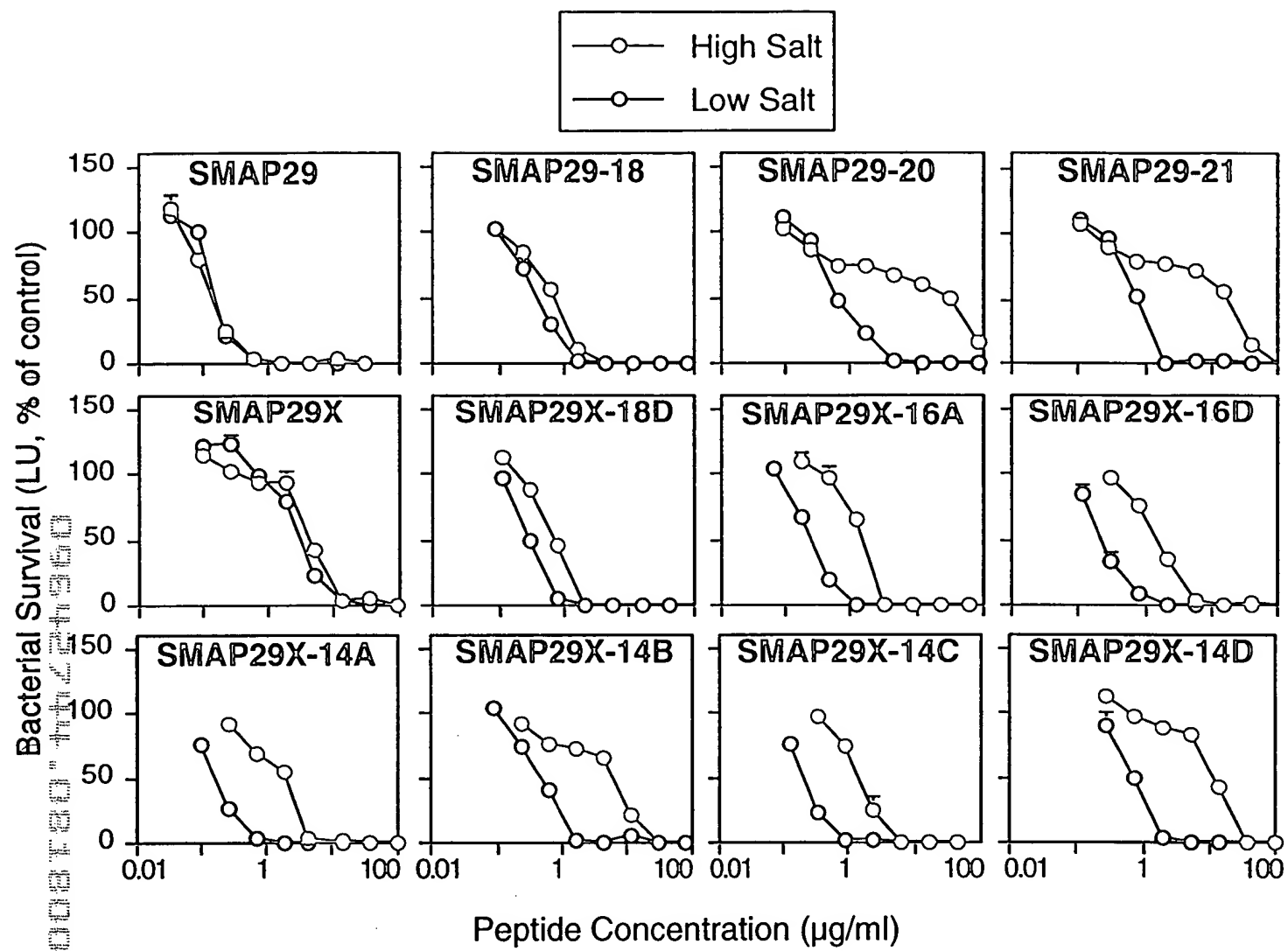


FIG. 1



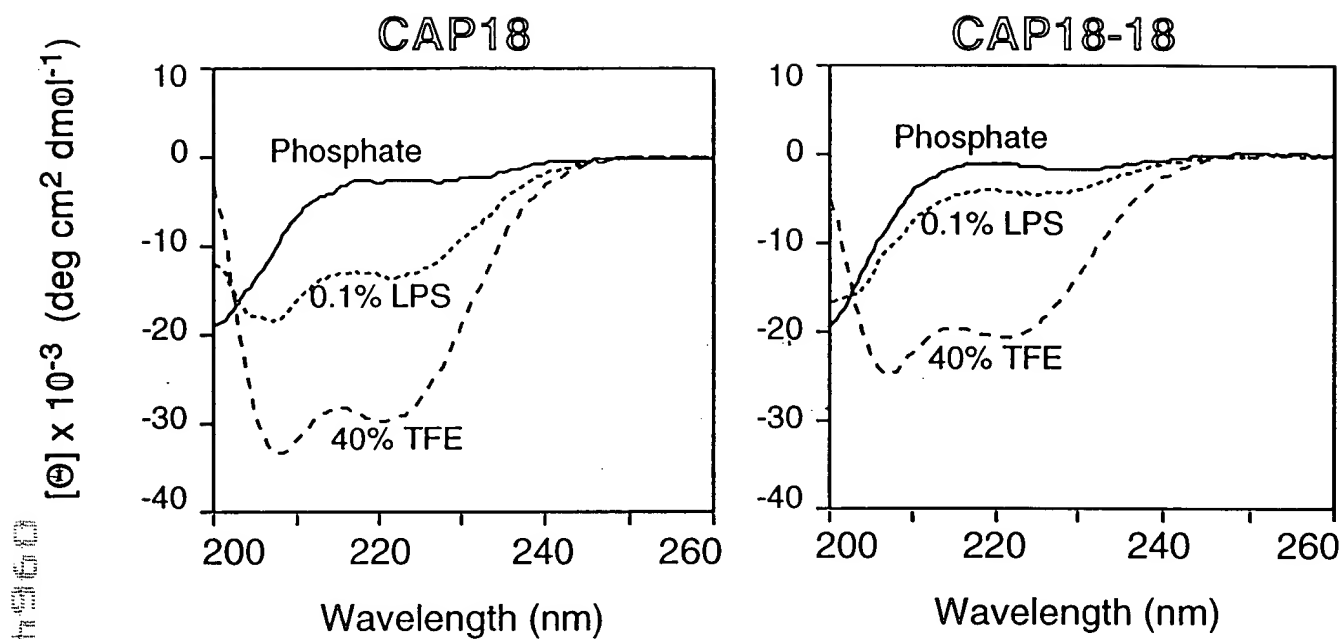
¹ Determined by the luminescence-based assay.

FIG. 2A



¹ Determined by the luminescence-based assay.

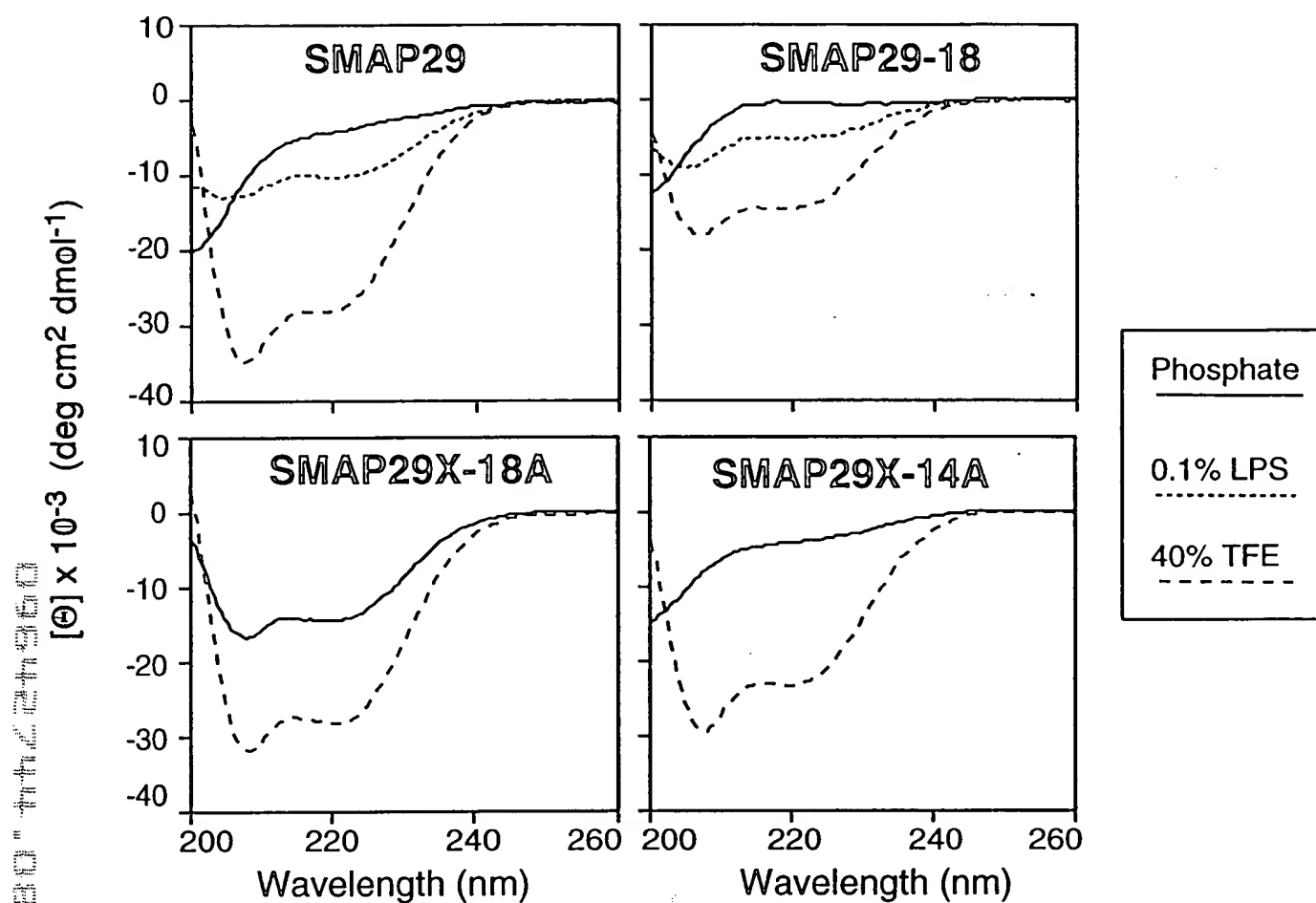
FIG. 2B



	Pi	0.1% LPS	40% TFE
CAP18	8.1	39.2	84.6
CAP18-21a	7.7	19.2	97.0
CAP18-18	3.8	13.4	64.8
CAP18-17	3.1	14.6	68.8
CAP18-15a	2.7	11.5	44.7

Helical content of CAP18 peptides. Peptides were analyzed by CD spectroscopy, and % helical content was calculated.

FIG. 3A



	Pi	0.1% LPS	40% TFE
SMAP29	12.6	30.1	80.9
SMAP29-18	2.0	16.4	45.4
SMAP29X-18A	45.6	-	88.8
SMAP29X-14A	13.9	-	77.4

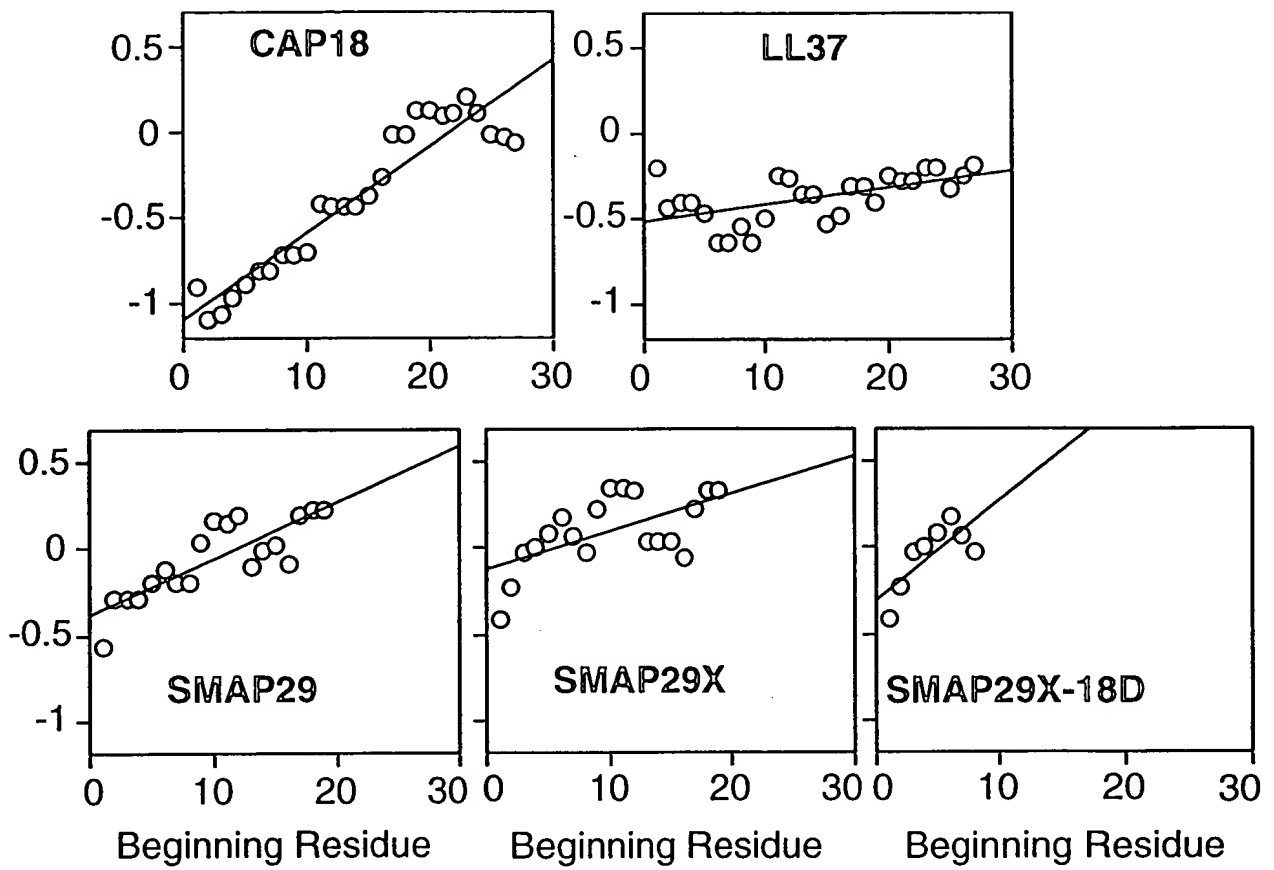
Helical content of SMAP29 peptides. Peptides were analyzed by CD spectroscopy, and % helical content was calculated.

FIG. 3B

FIG. 4A

A

Hydrophobicity of 11-Residue Window



B

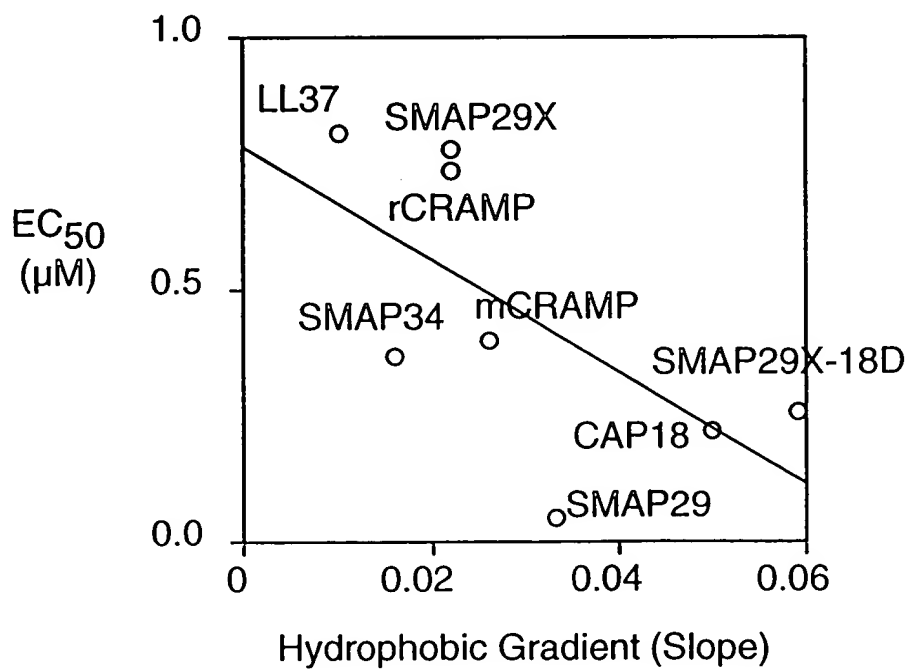


FIG. 4B

FIG. 5A

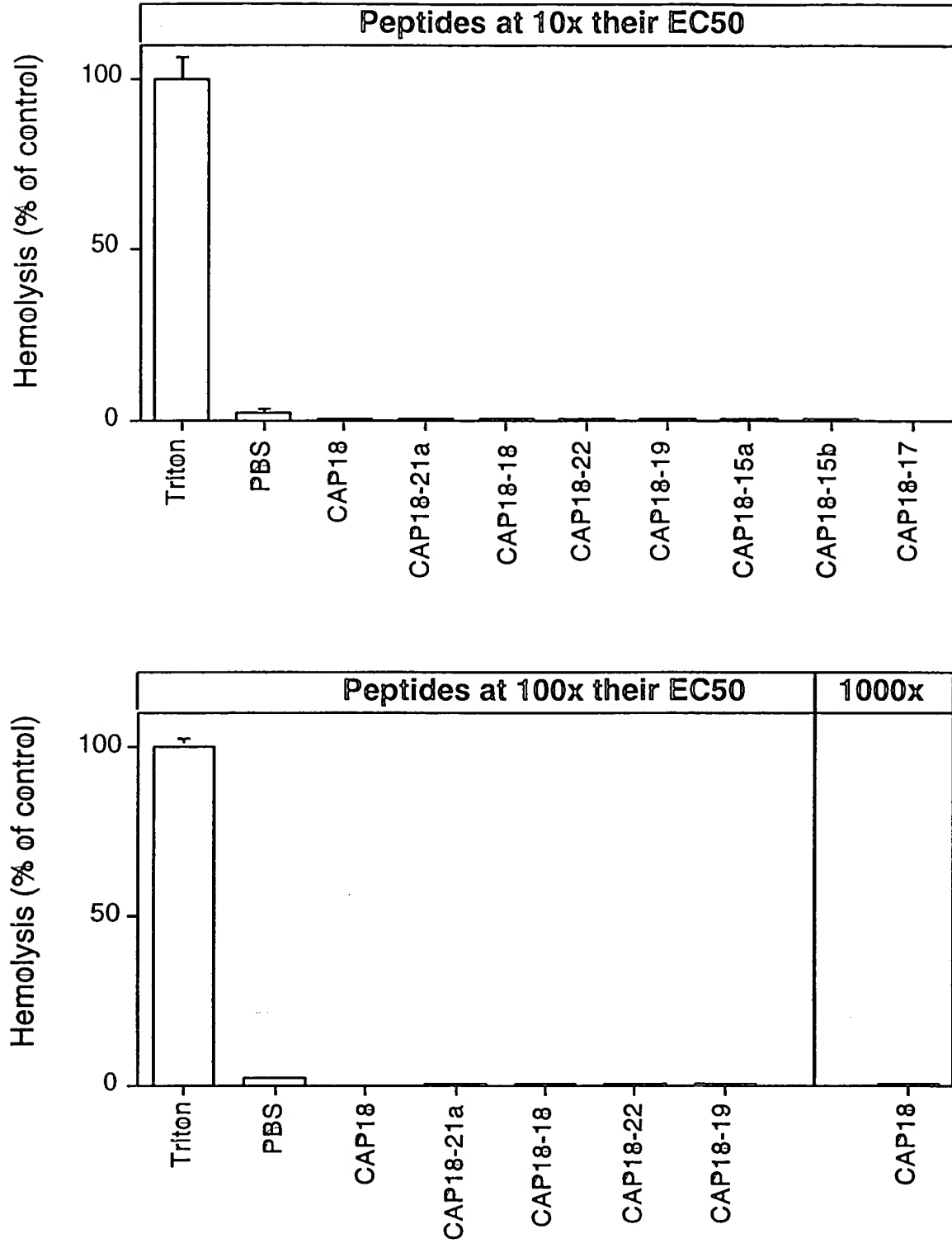
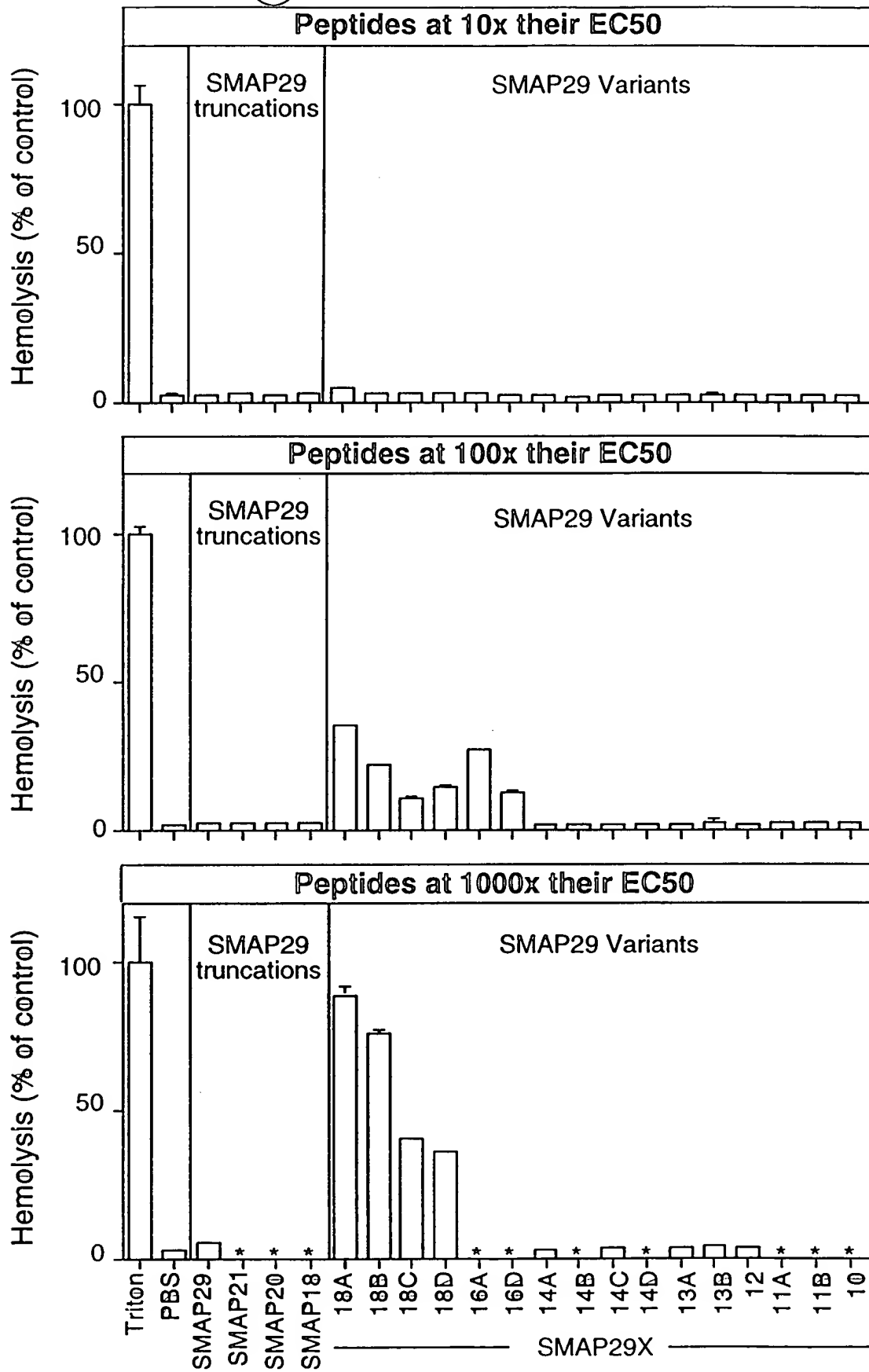


FIG. 5B



*not determined

003780" 44/24950

FIG. 6

PBS/PS



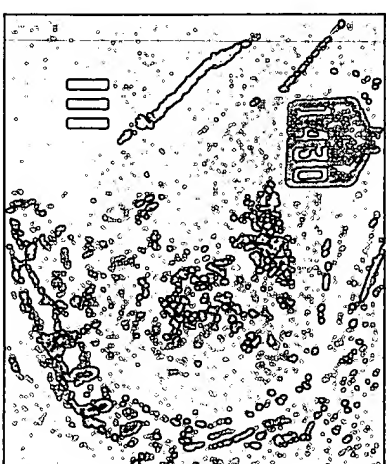
PBS/PS
+
SMAP29



PBS/PS

+

P. haemolytica



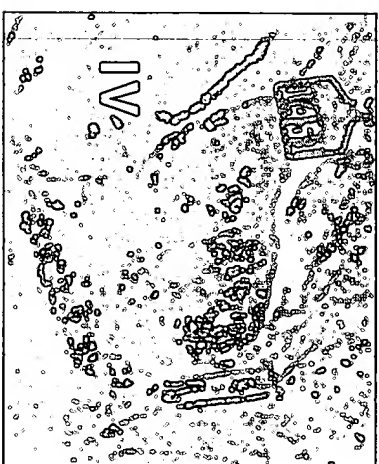
PBS/PS

+

P. haemolytica

+

SMAP29



Major Conformer A of Smap29 by 2D NMR

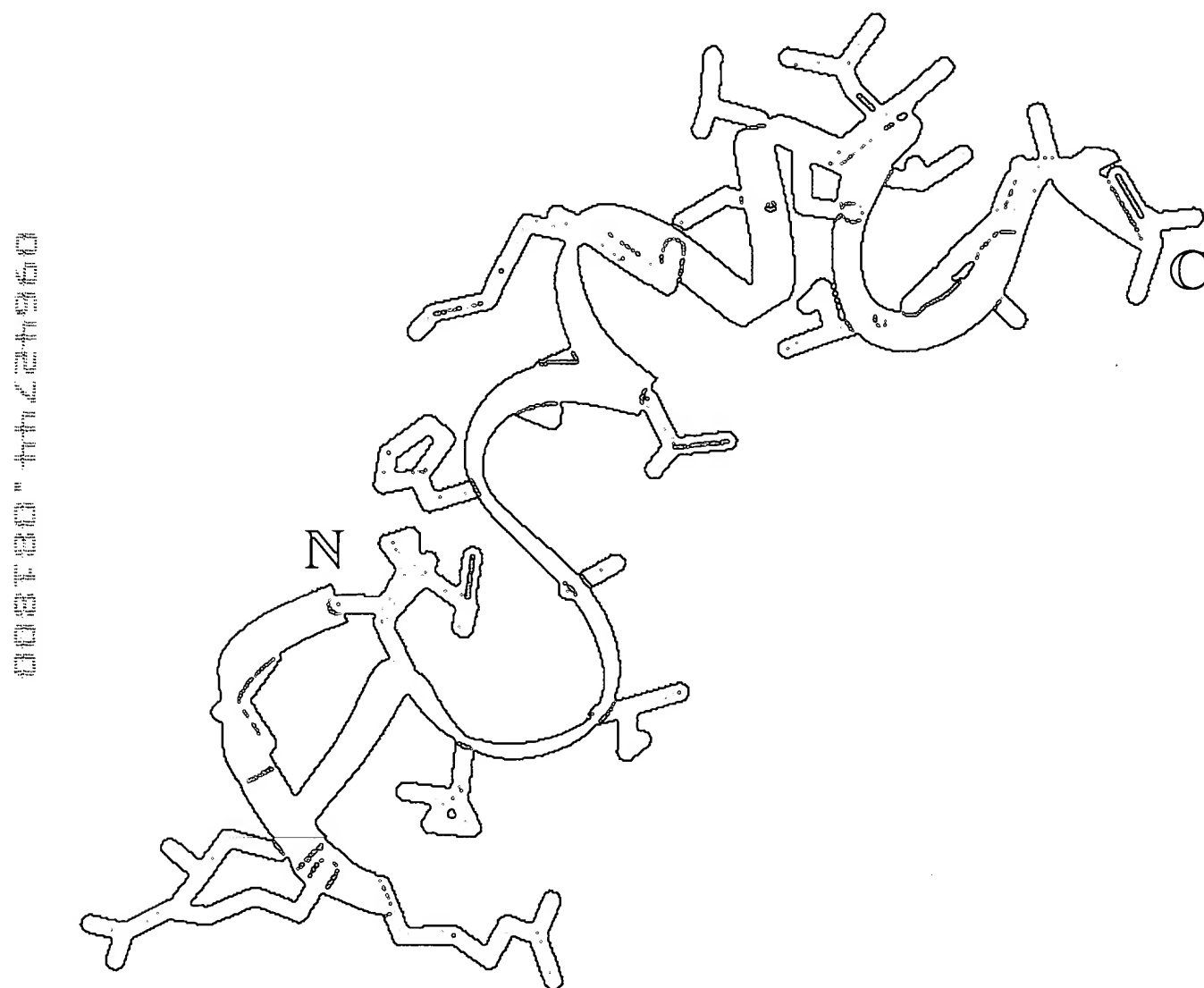


FIG. 7

Major Conformer B of Smap29 by 2D NMR

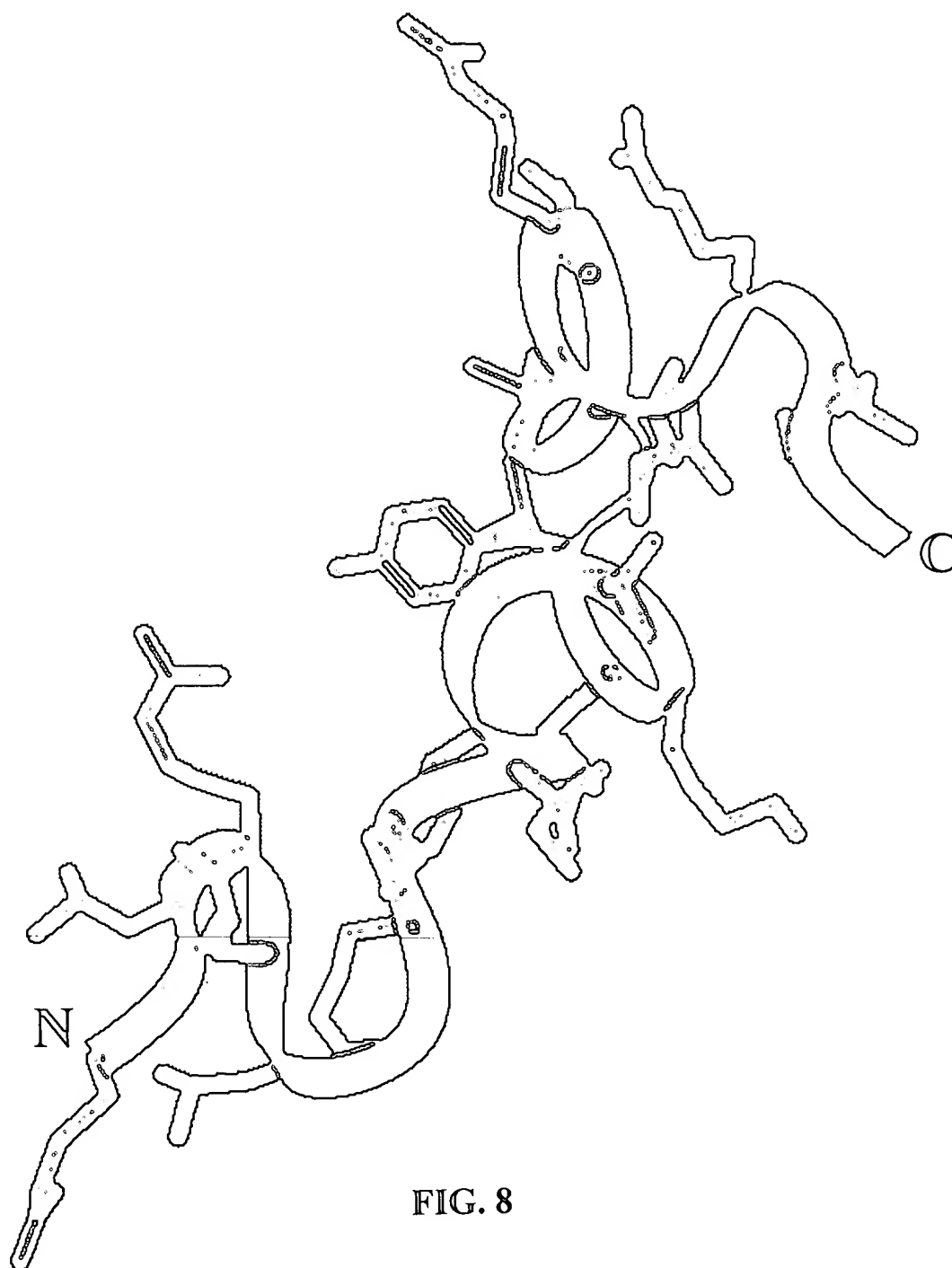
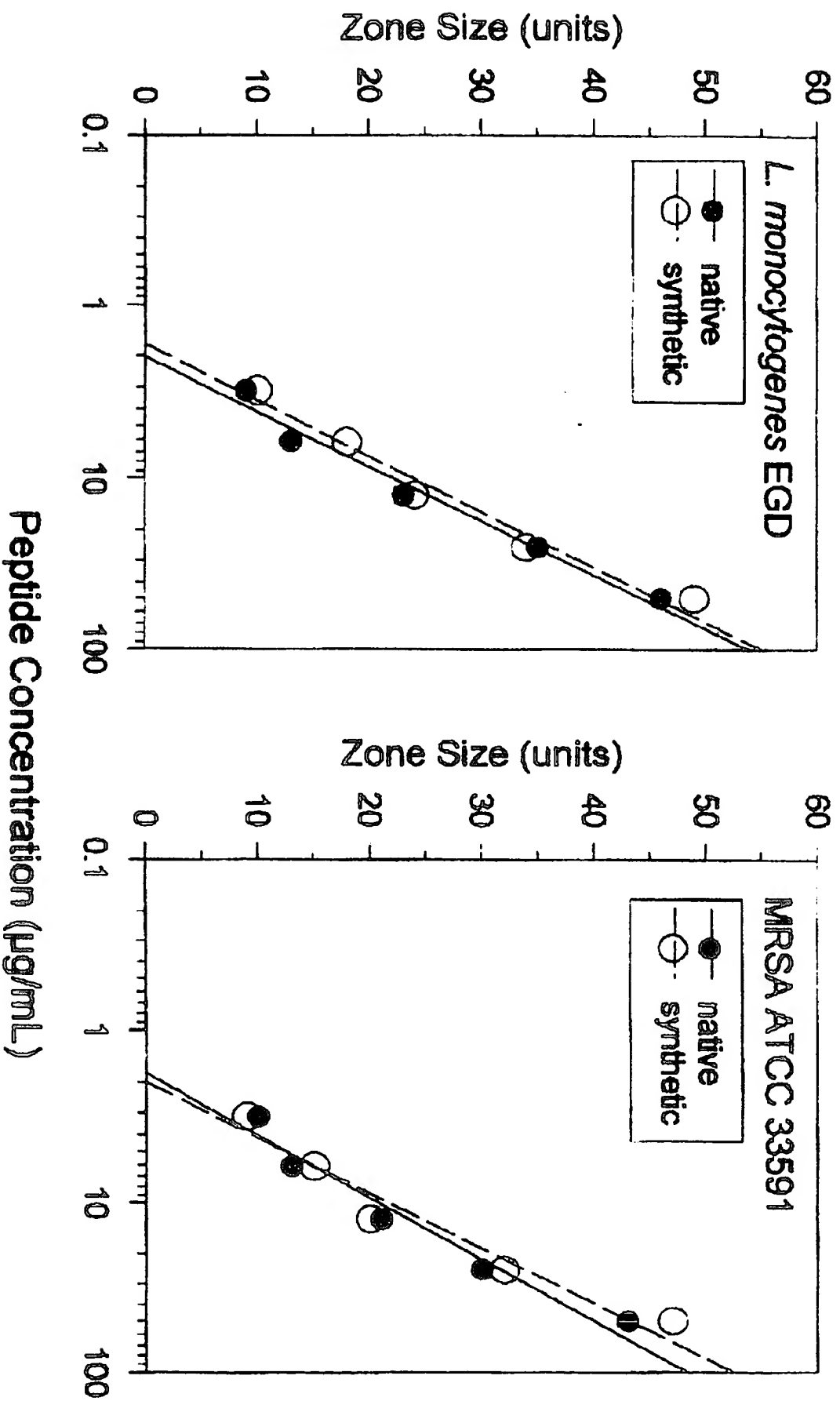


FIG. 8

003130" 442.24960



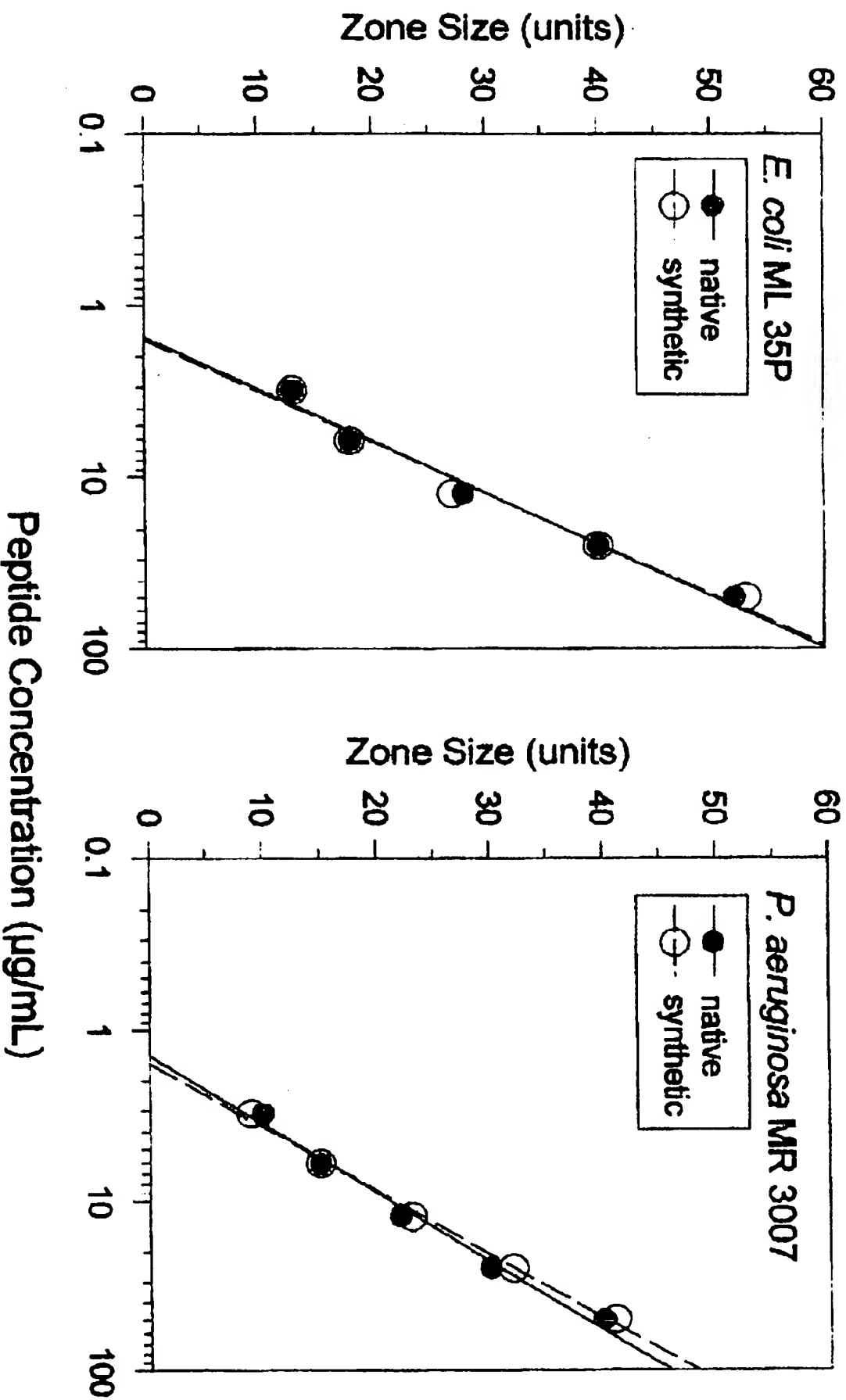


FIG. 10

09642744-001800